

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	281	(photodiode or (photo adj diode)) same (trench or hole) and ((impurity or separation) adj region)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 14:48
L4	127	3 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:27
L5	912	(photodiode or (photo adj diode)) same ((trench or hole) and (impurity or (separation adj region)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:27
L6	430	5 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:28
L7	912	(photodiode or (photo adj diode)) same ((trench or hole) and (impurity or (separation adj region)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:28
L8	430	L7 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:28
L9	0	6 not L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:28
L10	1434	(photodiode or (photo adj diode)) same (trench or hole) and (impurity or (separation adj region))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:37

## EAST Search History

L11	1	L10 and @ad<"2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:32
L12	759	L10 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:38
L13	1004	L10 not 8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:34
L14	1004	L10 not l8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:34
L15	1004	L10 not L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:35
L16	329	L12 not L8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:35
L17	281	(photodiode or (photo adj diode)) same (trench or hole) and (impurity or separation) adj region	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:40
L18	127	L17 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:43

## EAST Search History

L19	273	(photodiode or (photo adj diode)) same (trench or hole) same (polysilicon or metal) same (polish\$3 remov\$3 etch\$3 CMP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 17:18
L20	143	L19 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 17:17
L21	2	"2001318155"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 16:59
L22	171	(photodiode or (photo adj diode)) same (trench or hole) same (polysilicon or metal or conducti\$2) same (polish\$3 remov\$3 etch\$3 CMP) same (wir\$3 connect\$3 interconnect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 17:17
L23	80	L22 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 17:19
L24	66	((photodiode or (photo adj diode) (photodetector) (photo-detector)) and sensor) same (trench or hole) same (polysilicon or metal) same (polish\$3 remov\$3 etch\$3 CMP)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 17:27
L25	31	L24 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 17:19
L26	5	((photodiode or (photo adj diode) (photodetector) (photo-detector)) and sensor) same ((trench or hole) with substrate) same (polysilicon or metal) same (polish\$3 remov\$3 etch\$3 CMP) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 17:36

## EAST Search History

L27	7	((photodiode or (photo adj diode) (photodetector) (photo-detector)) and sensor) same ((trench or hole aperture) with substrate) same (polysilicon or metal or conducti\$3) same (polish\$3 remov\$3 etch\$3 CMP) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 17:37
L29	361	(photodiode or (photo adj diode)) and array same (impurity or (separation adj region)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:11
L30	204	((photodiode or (photo adj diode)) and array) same (impurity or (separation adj region)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:14
L31	3	((photodiode or (photo adj diode)) and array) same (impurity with (separation adj region)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:17
L32	3	((photodiode or (photo adj diode)) and array) same ((impurity dop\$3) with (separat\$3 adj region)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:17
L33	11	((photodiode or (photo adj diode)) and array) same ((impurity dop\$3) with ((separat\$3 isolat\$3) adj region)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:22
L34	8	((photodiode or (photo adj diode)) and array) with ((impurity dop\$3) with ((separat\$3 isolat\$3) adj region)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:23
L35	0	((photodiode or (photo adj diode)) and array) same ((impurity dop\$3) same (((separat\$3 isolat\$3) adj region)) with electrical\$2) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:25

## EAST Search History

L36	0	((photodiode or (photo adj diode)) and array) same ((impurity dop\$3) same (((separat\$3 isolat\$3) adj region)) with electrical) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:25
L37	4	((photodiode or (photo adj diode)) and array) same ((impurity dop\$3) and electrical\$2 same ((separat\$3 isolat\$3) adj region)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:34
L38	13	((photodiode or (photo adj diode)) and array) same ((impurity dop\$3) and electrical\$2 with ((separat\$3 isolat\$3) with region)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:34
L39	1	37 not 38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:35
L40	10	38 not 37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 21:26
L41	57	organic and transistor and (u adj shaped near channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 21:30
L42	26	41 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 21:28
L43	1	("5563077").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/10 21:28

## EAST Search History

L44	58	organic and transistor and (((u adj shaped) or meandering) near channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 21:37
L45	5	organic and transistor and (((u adj shaped) or meandering) near channel) and (NAND or NOR)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 21:32
L46	546	Fix.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 21:32
L47	74	Fix-Walter.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 21:33
L48	13	47 and (((u adj shaped).clm. and organic.clm. ) OFET.clm.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 21:33
L49	26	organic and transistor and (((u adj shaped) or meandering) adj channel) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:03
L50	36	organic and transistor and ((holes interruptions) with (semiconducting adj layer)) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:26
L51	0	organic and transistor and (((holes interruptions) with (semiconducting adj layer)) same leakage) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:26

## EAST Search History

L52	36	organic and transistor and (((holes interruptions) with (semiconducting adj layer))) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:28
L53	36	organic and transistor and (((pattern\$ interruptions) with (semiconducting adj layer))) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:30
L54	0	organic and transistor and (((interruption) with (semiconducting adj layer))) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:30
L55	28	organic and transistor and (((patterned) with (semiconducting adj layer))) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:31
L56	983	organic and transistor and (((patterned) with (semiconductor adj layer))) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:32
L57	288	organic and transistor and (((patterned) with (semiconductor adj layer)) and leakage) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:35
L58	3	organic and transistor and (((patterned) with (semiconductor adj layer)) with leakage) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:36
L59	2	organic and transistor and (((patterned) with (semiconductor adj layer)) with leak\$3 adj current) and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 22:36

## EAST Search History

S1	435	OFET	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/30 14:39
S2	5195832	@ad>"20030114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/30 14:40
S3	167	S1 not S2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/01 17:42
S4	1	("7064345").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 14:43
S5	3	((("6197663") or ("6326288") or ("6362509"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/30 14:57



## EAST Search History

S6	66	US-20020022284-\$.DID. OR US-20020053320-\$.DID. OR US-20020056839-\$.DID. OR US-20020068392-\$.DID. OR US-20020170897-\$.DID. OR US-20020018911-\$.DID. OR US-20020195644-\$.DID. OR US-20030112576-\$.DID. OR US-20040002176-\$.DID. OR US-20040013982-\$.DID. OR US-20040026689-\$.DID. OR US-20040084670-\$.DID. OR US-20040211329-\$.DID. OR US-3512052-\$.DID. OR US-3769096-\$.DID. OR US-3955098-\$.DID. OR US-4302648-\$.DID. OR US-4442019-\$.DID. OR US-4926052-\$.DID. OR US-4865197-\$.DID. OR US-5173835-\$.DID. OR US-5206525-\$.DID. OR US-5259926-\$.DID. OR US-5321240-\$.DID. OR US-5347144-\$.DID. OR US-5395504-\$.DID. OR US-5480839-\$.DID. OR US-5486851-\$.DID. OR US-5502396-\$.DID. OR US-5546889-\$.DID. OR US-5569879-\$.DID. OR US-5574291-\$.DID. OR US-5578513-\$.DID. OR US-5580794-\$.DID. OR US-5629530-\$.DID. OR US-5630986-\$.DID. OR US-5652645-\$.DID. OR US-5691089-\$.DID. OR US-5854139-\$.DID. OR US-5869972-\$.DID. OR US-5892244-\$.DID. OR US-5946551-\$.DID. OR US-5967048-\$.DID. OR US-5973598-\$.DID. OR US-5997817-\$.DID. OR US-6036919-\$.DID. OR US-6045977-\$.DID. OR US-6060338-\$.DID. OR US-6083104-\$.DID. OR US-6133835-\$.DID. OR US-6207472-\$.DID. OR US-6215130-\$.DID. OR US-6251513-\$.DID. OR US-6284562-\$.DID. OR US-6300141-\$.DID. OR US-6322736-\$.DID. OR US-6335539-\$.DID. OR US-6340822-\$.DID. OR	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/30 14:58
5/11/2007 12:53:26 AM C:\Documents and Settings\schraya\My Documents\EAST\Workspaces\10541957.wsp						

## EAST Search History

S7	14047	organic with transistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 21:06
S8	5198781	@ad>"20030114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/01 17:42
S9	4118	S7 not S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/01 17:42
S10	2323	(257/40).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/01 17:42
S11	244	S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/01 17:43
S12	14047	organic with transistor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 21:06
S13	154	S12 and interdigita\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 21:08
S14	5198781	@ad>"20030114"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 21:08

## EAST Search History

S15	79	S13 not S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/02 21:08
S16	1	("6197663").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/02 22:10
S17	1	("6362288").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/02 22:10
S18	1	("6326288").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/02 22:10
S19	16	(US-20010045593-\$ or US-20010048379-\$).did. or (US-6545291-\$ or US-6362509-\$ or US-6326288-\$ or US-6870182-\$ or US-5970318-\$ or US-6852555-\$ or US-5079595-\$ or US-6433357-\$ or US-6818920-\$ or US-3999122-\$ or US-5535231-\$ or US-6806815-\$ or US-6870186-\$ or US-6197663-\$).did.	US-PGPUB; USPAT	OR	ON	2007/05/09 20:43
S20	5	S19 and "interdigitated"	US-PGPUB; USPAT	OR	ON	2007/05/09 20:43
S21	1434	(photodiode or (photo adj diode)) same (trench or hole) and (impurity or (separation adj region))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 15:27
S23	912	(photodiode or (photo adj diode)) same ((trench or hole) and (impurity or (separation adj region)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 20:04
S24	1	S23 and @ad<"2003"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 13:47

## EAST Search History

S25	430	S23 and @ad<"20030101"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 14:50
S26	0	"rose.kiesha.xa"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 13:59
S27	178	rose-kiesha.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 14:04
S28	133817	S27 and photodiode or photodetector or (photo adj diode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 14:00
S29	11	S27 and (photodiode or photodetector or (photo adj diode))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 14:00
S30	9	rose-kusha.xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/10 14:04